

CONTROL OF MULTIPLY MAPPED MEMORY LOCATIONS

Abstract of the Disclosure

A technique to manage multiple-mapped memory and to selectively execute at least a portion of a process from either an unprotected function or a protected function.

- 5 The process contains memory that is multiple-mapped to both an unprotected memory region and to a protected memory region that stores a protected function. A trust co-processor determines whether the process is a trusted process or an untrusted process. If trusted, the multiple-
- 10 mapped memory is mapped to the protected memory region; and a transfer agent operates to control the process and to call the protected function using parameters provided to the transfer agent from the process. In one embodiment, the transfer agent resides in nonvolatile memory, and is
- 15 transferred to internal SRAM to control execution of a trusted process.